

Fact Sheet

National Institute of Biomedical Imaging and Bioengineering



NEW NIBIB INITIATIVE TO SOLVE MAJOR MEDICAL PROBLEMS

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The National Institute of Biomedical Imaging and Bioengineering announces the release of a new initiative, the NIBIB Quantum Projects Exploratory Grants (P20), aimed at producing a profound (quantum level) improvement in healthcare by addressing a major human health problem. The NIBIB Quantum Projects Exploratory Grants initiative will support research and feasibility studies that employ collaborative and interdisciplinary approaches to address targeted health problems using innovative biomedical technologies.

The mission of the NIBIB is to improve health by leading the development and accelerating the application of biomedical technologies. The Institute is committed to integrating the physical and engineering sciences with the life sciences to advance basic research and medical care. Biomedical technologies currently in concept or development phases have the potential to have a profound impact on human health and quality of life. Realization of this potential can only be achieved if the necessary intellectual and financial resources are brought to bear on a specific targeted project in a concerted fashion. The NIBIB Quantum Program is intended to bring to fruition such developments.

Objectives of the RFA

To provide support for essential research and feasibility studies that employ collaborative and interdisciplinary approaches to address a targeted health problem through innovative biomedical technologies. The long-term goal of the Quantum Program is to make a profound (quantum level) advance in healthcare by funding research on targeted projects that will develop new technologies and modalities for the prevention, diagnosis and treatment of disease. Investigators who receive a grant award in this exploratory phase will be invited to submit an application for the second phase of a project.

Award Information

The earliest anticipated start date for this program is September 15, 2006.

This funding opportunity will use the P20 award mechanism.

Availability of Funds

The NIBIB intends to commit approximately \$5 million in FY 2006 to fund five to seven new grants in response to this RFA. An applicant may request a project period of up to three years and a budget for total direct costs of up to \$700,000 per year. It is anticipated that most applications will request \$400,000 to \$700,000.

Phase one funding will be used to identify best ideas and assess feasibility. Investigators who receive grant awards in phase one will be invited to submit an application for the second phase of a

project. Phase two (years 4-8) will use cooperative agreements to execute the focused research programs.

Although the financial plans of the IC provide support for this program, awards pursuant to this funding opportunity are contingent upon the availability of funds and the receipt of a sufficient number of meritorious applications.

Eligible Institutions

The following organizations may submit applications in response to this RFA: for-profit organizations; non-profit organizations; public or private institutions, such as universities, colleges, hospitals, and laboratories; eligible agencies of the Federal Government; domestic institutions; faith-based or community-based organizations; units of State Tribal governments; and units of Local Tribal governments.

The NIBIB encourages collaborations and partnerships between organizations in response to this RFA.

Key Dates

Release Date: November 18, 2005
Letters of Intent Receipt Date: January 20, 2006
Application Receipt Date: February 21, 2006
Peer Review Date: June-July 2006
Council Review Date: September 2006
Earliest Anticipated Start Date: September 15, 2006
Expiration Date: February 22, 2006

Additional Information

Additional information and the full text of the RFA can be found on the NIBIB website at:
<http://www.nibib1.nih.gov/publicPage.cfm?pageID=3762>